

CLAIMS

What is claimed is:

1. A curtain wall system comprising:
at least one vertical mullion formed with a channel having a depth sufficiently increased for securing a panel member therein for enhanced resistance to a blast force;
at least one horizontal sill member formed with a channel for receiving said panel member; and
wherein the channel of said horizontal mullion is formed of an increased depth for enhanced resistance to a blast force.
2. The curtain wall system of claim 1, wherein the channel of said vertical mullion is oriented near at least one of a front edge and a back edge of said vertical mullion.
3. The curtain wall system of claim 1, wherein the channel of said horizontal sill member is oriented near at least one of a front edge and a back edge of said horizontal sill member.
4. The curtain wall system of claim 1, further comprising an increased amount of a bonding agent placed in the channel of said horizontal sill member.
5. The curtain wall system of claim 1, wherein said vertical mullion is formed as a single extrusion.
6. The curtain wall system of claim 1, wherein said horizontal sill member is formed as a single extrusion.
7. The curtain wall system of claim 1, wherein said vertical mullion is formed so as to include a plurality of channels.
8. A vertical mullion for forming a curtain wall, the vertical mullion comprising:
at least one channel for receiving a panel member, the channel including:
a first side member of an increased length for receiving an increased portion of the panel member;

at least one of a base member and a sill member for receiving a portion of the panel member; and

a second member of an increased length for receiving an increased portion of the panel member.

9. The vertical mullion of claim 8, wherein the channel is oriented near an edge of said vertical mullion.

10. The vertical mullion of claim 8, wherein at least one of the first and second side members is oriented to receive substantially one inch or more of a bonding agent.

11. The vertical mullion of claim 8, wherein the bonding agent comprises silicon.

12. The vertical mullion of claim 8, wherein said vertical mullion is formed as a single extrusion.

13. The vertical mullion of claim 8, wherein said at least one channel comprises a plurality of channels.

14. The vertical mullion of claim 13, wherein the base member is common between two channels of the plurality of channels.

15. A horizontal mullion for forming a curtain wall, the horizontal mullion comprising:

a channel for receiving a panel member, the channel including:

a first side member of an increased length for receiving an increased portion of the panel member;

a base member for receiving a base portion of the panel member; and

a second member of an increased length for receiving an increased portion of the panel member.

16. The horizontal mullion of claim 15, wherein the channel is oriented near an edge of said horizontal mullion.

17. The horizontal mullion of claim 15, wherein at least one of the first and second side members is oriented to receive substantially one inch or more of a bonding agent.

18. The horizontal mullion of claim 17, wherein the bonding agent comprises silicon.
19. The horizontal mullion of claim 15, wherein said horizontal mullion is formed as a single extrusion.
20. The horizontal mullion of claim 15, wherein said at least one channel comprises a plurality of channels.